deflected toward the small end of the chamber, substantially as set forth. 9th. The combination with an upwardly tapering separating chamber, provided with a feeder whereby the meterial to be separated is delivered into the chamber end, with outlets for the heavy and light material at different distances from the axis of the chamber of a rotating shaft arranged centrally in the chamber, a circular plate secored to said shaft, and wings or blades secured to said plate, substantially as set forth. 10th. The combination with a tapering separating chamber, of a feeder whereby the material to be separated is delivered into the chamber means whereby the body of air in the chamber is caused to rotate therein, an outlet for solid matter, and an analystable gate applied to said outlet, substantially as set forth 11th. The combination with a closed tapering separating chamber, provided with outlets for the heavy and light material to cated respectively at its large and small ends, of a feeder, whereby the material to be separated is delivered into the chamber, a rotating air propelling device arranged within the chamber, and causing the air contained therein to circulate along the peripheral wall to the small end of the chamber and through the axial portion back to the large end, and a rotating cleaner sweeping the inner surface of the separating chamber, substantially as set forth. the separating chamber, substantially as set forth.

No. 35,658. Money Changer.

(Appareil pour changer la monnaie.)

William Henry Staats, Chicago, Illinois, U.S.A., 24th December, 1890; 5 years.

William Henry Staats, Chicago, Illinois, U.S.A., 24th December, 1890; 5 years.

Claim.—1st. In a money changer, the combination of an upright lever, having a lip and rod end, a spiral spring on the rod end, an ejector slide hinged to the lever, a key-lever having an upright standard, and a coin-holder having a rear lug, substantially as shown and described and for the purpose set forth. 2nd. In a money-changer, an ejector slide, having flanged arms, curved ends, and a spring, in combination with an upright lever and a frame, having coin-seats and openings, whereby the coin is ejected and the slide returned to its normal position and the lever operated, substantially as shown and described. 3rd. In a money-changer, the frame D, having coin seats d', spnees d', d', e', flanged d, raised surface d', guide-braces d' and lugs d', all in one piece, substantially as shown and described. 4th. In a money-changer, the ejector slide E, having the forked arms e, e. brace e', and raised ledges e', e', and spring h, the ends of the arms cut out circularly, substantially as shown and described. 5th. In a money-changer, the key lever K, having the shield a', opening r, standard n, having rubber cushion e and thumb key t, substantially as shown and described and for the purpose set forth. 6th. In a money-changer, the combination of the coinholder C, having perforated lugs h', the frame D, having coin seats and openings, the key-lever K, the ejector-slide E, the lever H, and spring h and h', all constructed, arranged and operating substantially as shown and described. 8th. In a money-changer, the lever H, having a lip and rod end, and its lower end having the rod e' all formed in one piece, substantially as shown and described. 8th. In a money-changer, the lever H, having a lip and rod end, and its lower end having the rod e' all formed in one piece, substantially as shown and described, 8th. In a money-changer, the lever H, substantially as shown and described, and for the purpose set forth.

No. 35,659. Cure for Rheumatism.

(Composition medécinale pour la guérison du rheumatismes.)

John Bell, Hamilton, Ontario, Canada, 24th December, 1890; 5 years.

Claim.—A medicinal compound, to be used as a cure for rheumatism, consisting of stone sulphur, saltpetre, cream of tartar, and with or without liquorice, in or about the proportions specified.

No. 35,660. Manufacture of Metallic Cartridges. (Fabrication des cartouches metalliques.)

Asa Norman Whitney, Melbourne, Australia, 24th December, 1890; 5

Claim.—Ist. The method of manufacturing the tubular portion or body of a cartridge case by stamping and drawing a thin metal disc or blank of comparatively large diameter, substantially as hereinbefore described. 2nd. The method of manufacturing a cartridge case, consisting in, first, forming the tubular portion by stamping and drawing a thin metal disc or blank of comparatively large diameter, and then securing a separately formed base to the said tubular portion, by means of a cap chamber, substantially as hereinbefore described. 3rd. A metallic cartridge, the body or tubular portion of which is formed by stamping and drawing a thin metal disc or blank of comparatively large diameter, substantially as hereinbefore described. 4th. A metallic cartridge, the case or shell of which has a seamless body or tubular portion, and the base or head of which is secured to the said body or tubular portion by means of the cap chamber. 5th. The strengthening disc J, in combination with the body A, base B and cap chamber C reenforcing the base of the cartridge from within, as set forth. Claim.-1st. The method of manufacturing the tubular portion or

No. 35,661. Machine for Making and Printing Envelopes. (Machine pour fabriquer et imprimer les envelopes.)

Charles Henry Heywood, Springfield, Massachusetts, U.S.A., 24th December, 1890; 5 years.

Claim.—1st. In an envelope machine, the combination, with a blank supporting table, a gumming bed and a carrying support for said bed, which at one end is pivotally hung, of a rock-shaft linked to as id bed-carrying support, and means for combination, with a gumming-bed and movable supports therefor, whereby said gumming-bed may be raised and lowered, of the horizontally-reciprocasting slide fingers 75, provided with abstraent lugs, upper feed-in tapes, 77 and 78, substantially as and for the purpose described. 3rd. The combination, with a gumming-bed and movable supports therefor, tally-reciprocating, slide fingers 57, 80, points of the purpose the series of the supports the supports the supports the supports of the supports the supports of the supports of the supports of the supports the supports of the support of the supports of the support of the support of the supports of the support of the su